

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	342/820-822.pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:35
L2	0	342/820.pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:35
L3	0	342/822.pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:35
L4	0	342/822.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:36
L5	0	342/820.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:36
L6	277	343/822.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:36
L7	194	343/820.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:37

## EAST Search History

L8	591	343/850.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:37
L9	227	343/829.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:37
L10	1852	343/845-849.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:38
L11	57	(logarith\$5 or log-periodic) and grounding and "impedance matching"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:39
L12	2919	grounding and "impedance matching"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:39
L13	26	(6 or 7 or 8 or 9) and 12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:43
L14	2	"5521607".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:46

## EAST Search History

L15	2	"4117491".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:47
L16	2	"3765022".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 11:48
L17	4113	reflector and passive and ends	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 12:24
L18	0	(reflector near antenna) and passive and ends and (linear near array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 12:25
L19	19	(reflector near antenna) and passive and ends and (linear near array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 12:28
L20	0	(reflector near antenna) and (passive near ends) and (linear near array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 12:28
L21	9	(passive near ends) and (linear near array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 12:29

## EAST Search History

L22	365	(passive near ends) and array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 12:29
L23	6	(passive near ends) and array and liner	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/13 12:29
S1	11	("3808599" "4257049" "4494121" "4656482").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:08
S2	15	HFSWR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 20:02
S3	74769	monopole and logarithmic and transmit antenna and (impedance same matching) and switch (linear same array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:10
S4	4	monopole and logarithmic and transmit antenna and (impedance same matching) and switch and (linear same array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:12
S5	197	monopole and (logarithmic period) and transmit antenna and (impedance same matching) and switch	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:12

## EAST Search History

S6	197	monopole and (loga\$8 or period\$3) and transmit\$4 and antenna and (impedance same matching) and switch\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:12
S7	131	monopole and (loga\$8 or period\$3) and transmit\$4 and antenna and (impedance same matching) and switch\$3 and active	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:13
S8	131	monopole and (loga\$8 or period\$3) and transmit\$4 and antenna and (impedance same matching) and switch\$3 and active and switch\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:13
S9	84	monopole and (loga\$8 or period\$3) and transmit\$4 and antenna and (impedance same matching) and switch\$3 and active and switch\$5 and passive	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:14
S10	22	monopole and (loga\$8 or period\$3) and transmit\$4 and antenna and (impedance same matching) and switch\$3 and active and switch\$5 and passive and (surface adj wave)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:15
S11	22	monopole and (loga\$8 or period\$3) and transmit\$4 and (antenna same array) and (impedance same matching) and switch\$3 and active and switch\$5 and passive and (surface adj wave)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:15
S12	2	HFSWR and ground\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:25

## EAST Search History

S13	22206	(high same frequency same surface same wave)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:26
S14	121	(high same frequency same surface same wave) and system and (loga\$7 or period\$4) and (linear near array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:26
S15	53	(high same frequency same surface same wave) and system and (loga\$7 or period\$4) and (linear near array) and ground\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:33
S16	165	342/41.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:40
S17	12	342/41.ccls. and (surface same wave)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:51
S18	1	342/41.ccls. and (surface near wave)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:37
S19	20252	(surface near wave)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:35

## EAST Search History

S20	7	342/107.ccls. and (surface near wave)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:40
S21	491	342/374.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:40
S22	5	342/374.ccls. and (surface near wave)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:52
S23	2	(impedance near matching) and (ground\$3 near active) and (antenna near array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 19:42
S24	14	(ground\$3 near active) and (antenna near array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:45
S25	3	342/41.ccls. and (antenna near array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:51
S26	291	342/374.ccls. and (antenna near array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:52

## EAST Search History

S27	132	342/374.ccls. and (antenna near array) and ground\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:52
S28	62	342/374.ccls. and (antenna near array) and ground\$3 and impedance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:52
S29	68	342/374.ccls. and (antenna near array) and ground\$3 and (impedance matching)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:55
S30	66	342/374.ccls. and (antenna near array) and ground\$3 and (impedance matching) and switch\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:55
S31	6	342/374.ccls. and (antenna near array) and ground\$3 and (impedance matching) and (switch\$3 near active)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 18:55
S32	11294	(switch\$4 same active same ground\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 19:43
S33	2	(switch\$4 adj active adj ground\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 19:43



## EAST Search History

S34	3071	switch\$3 and continuous\$3 and repeated\$3 and "linear array"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 19:49
S35	1	(switch\$3 adj continuous\$3 adj repeated\$3) and "linear array"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 12:06
S36	14526368	(surface wave system)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/10 20:02
S37	16	"surface wave system"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 11:42
S38	15719	"surface wave "	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 11:43
S39	15719	"surface wave"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 11:43
S40	29	"surface wave radar"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 11:49

## EAST Search History

S41	2	passive near end near antenna	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 12:27
S42	818	passive same end same antenna	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 12:28
S43	44	passive same "both ends" same antenna	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 12:28
S44	0	ground\$4 and active and antenna and element and (radial near semicircular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 12:54
S45	2501	"impedance matching" and antenna and inductor and capacitor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 12:55
S46	92	"impedance matching" and antenna and inductor and capacitor and "active element"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 12:59
S47	0	"impedance matching" and antenna and (inductor near "in series") and capacitor and "active element"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 12:58

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S48	0	"impedance matching" and antenna and (inductor near transmit\$4) and capacitor and "active element"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 12:58
S49	78	"impedance matching" and antenna and inductor and capacitor and "active element" and transmit\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 12:59
S50	59	"impedance matching" and antenna and inductor and capacitor and "active element" and transmit\$4 and series	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 13:03
S51	42	"impedance matching" and antenna and inductor and capacitor and "active element" and transmit\$4 and series and parallel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 13:06
S52	10	"impedance matching" and antenna and inductor and capacitor and "active element" and transmit\$4 and series and parallel and LC	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 14:44
S53	2	"impedance matching" and antenna and inductor and capacitor and "active element" and transmit\$4 and series and parallel and "LC circuit" and "matching circuit"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 14:10
S54	0	((inductor and capacitor) adj connect\$3 adj parallel) and matching and (transmit\$4 near series near inductor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 14:46

## EAST Search History

S55	22	((inductor and capacitor) adj connect\$3 adj parallel) and "matching circuit"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 14:57
S56	11	LC and parallel and (transmit\$4 near connect\$3 near series)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:07
S57	275	"transmission line" near inductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:07
S58	16	"transmission line" near inductor and "LC circuit"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:07
S59	0	"passive element" near "at ends" near array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:30
S60	0	"passive element" near ends near array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:30
S61	0	passive near ends near array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:32

## EAST Search History

S62	0	transmit\$4 and ("frequency range" near MHz)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:32
S63	1669	("frequency range" near MHz)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:33
S64	171	("frequency range" near MHz) and (transmit\$4 adj antenna)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:33
S65	0	("frequency range" near MHz) and (transmit\$4 adj antenna) and "antenna height"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:33
S66	171	("frequency range" near MHz) and (transmit\$4 adj antenna)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:34
S67	0	("frequency range" near MHz) and (transmit\$4 adj antenna) and "antenna height"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:34
S68	29	("frequency range" near MHz) and (transmit\$4 adj antenna) and height	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:36

## EAST Search History

S69	1855	"surface wave" and frequency and range and MHz	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:37
S70	682	"surface wave" and "frequency range" and MHz	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:38
S71	106	"surface wave" and "frequency range" and "1 MHz"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:38
S72	0	"surface wave" and "frequency range" and "1 MHz" and (antenna adj height)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:40
S73	0	"5.0 to 5.7 MHz"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:45
S74	10	"antenna array" and "antenna height" and logarithm\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:55
S75	0	("log-periodic" adj antenna) and (passive near elements near ends)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 15:57

## EAST Search History

S76	27	("log-periodic" adj antenna) and end and passive	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 16:10
S77	0	(passive near end) and "linear array antenna"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 16:11
S78	5	(passive near end) and "array antenna"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/11 16:11